We claim:

1. A repulpable corrugated paperboard comprising:

(a) a first and second linerboard, each of said linerboard having opposed inner and outer surfaces;

(b) a corrugated medium between the linerboards;

(c) said corrugated medium being adhesively secured to said inner surfaces of said linerboards; and

(d) said linerboard coated such that at least one of said surfaces of said linerboard is coated with a primer, a water vapor transmission rate resistant coating and an adhesive coat,

wherein the water vapor transmission rate resistant coating is polyvinyladine chloride, polyethylene terapthalate, acrylic, styrene butadiene rubber, or any mica formulation

2. The paperboard of claim 1 wherein the coating composition includes hydrophobic materials selected from the group consisting of aluminum, metals and ground hydrocarbon polymers.

3. The paperboard of claim 1 wherein the coating composition includes inert particulate filler.

4. The paperboard of claim 1 wherein the coating composition includes starches.

5. The paperboard of claim 1, which is useful for packaging perishable frozen foods and bulk packaging.

6. A repulpable corrugated paperboard comprising:

(a) a first and second linerboard, each of said linerboard having opposed inner and outer surfaces;

(b) a corrugated medium between the liners;

(c) said corrugated medium being adhesively secured to said inner surfaces of the linerboards;

(d) said linerboard coated such that at least one of said surfaces of said linerboard having a water vapor transmission rate resistant coating thereon; and

(e) said corrugated medium coated with a primer, a water vapor transmission rate resistant coating and an adhesive on at least one surface or impregnated thereon,

wherein the water vapor transmission rate resistant coating is polyvinyladine chloride, polyethylene terapthalate, acrylic, styrene butadiene rubber, or any mica formulation

7. The paperboard of claim 6 wherein the coating composition includes hydrophobic materials selected from the group consisting of aluminum, metals and ground hydrocarbon polymers.

8. The paperboard of claim 6 wherein the coating composition includes inert particulate filler.

9. The paperboard of claim 6 wherein the coating composition includes starches.

10. The paperboard of claim 6, which is useful for packaging perishable frozen foods and bulk packaging.

11. A repulpable corrugated paperboard comprising:

(a) a first and second linerboard, each of said linerboard having opposed inner and outer surfaces;

(b) a corrugated medium between the linerboards;

(c) said corrugated medium being adhesively secured to said inner surfaces of the linerboards; and

(d) said corrugated medium coated with a primer, a water vapor transmission rate resistant coating and an adhesive on at least one surface or impregnated thereon,

wherein the water vapor transmission rate resistant coating is polyvinyladine chloride, polyethylene terapthalate, acrylic, styrene butadiene rubber, or any mica formulation

12. The paperboard of claim 11 wherein the coating composition includes hydrophobic materials selected from the group consisting of aluminum, metals and ground hydrocarbon polymers.

13. The paperboard of claim 11 wherein the coating composition includes inert particulate filler.

14. The paperboard of claim 11 wherein the coating composition includes starches.

15. The paperboard of claim 11, which is useful for packaging perishable frozen foods and bulk packaging.

16. A method of producing a repulpable corrugated paperboard for use in corrugated paperboard packaging comprising:

(a) applying a primer, a water vapor transmission rate coating and an adhesive to at least one side of the one of the linerboard members and/or the medium;

(b) conducting the coated or uncoated medium to a corrugating section of a conventional corrugating machine; and

(c) adhering the corrugated medium to the linerboard by applying direct heating treatment to either or both of the linerboard or the corrugated medium at the bonding surface, so as to render the surface of one or both of the components tacky so as to allow bonding.

17. The paperboard of claim 13, which is useful for packaging perishable frozen foods and bulk packaging.